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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/679,078	10/05/2000	David Moir Archibald	4481-031	7765	
75	7590 02/04/2005			EXAMINER	
Allan M. Lowe			KADING, JOSHUA A		
c/o Lowe, Haup	otman, Gopstein Gilman &	Berner			
Suite 310			ART UNIT	PAPER NUMBER	
1700 Diagonal Road			2661		
Alexandria, VA					

Please find below and/or attached an Office communication concerning this application or proceeding.

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··-	Application No.	Applicant(s)				
Office Action Commons	09/679,078	ARCHIBALD, DA	VID MOIR			
Office Action Summary	Examiner	Art Unit				
	Joshua Kading	2661				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet w	ith the correspondence ac	laress			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a within the statutory minimum of thi vill apply and will expire SIX (6) MO cause the application to become A	reply be timely filed rty (30) days will be considered timel NTHS from the mailing date of this c BANDONED (35 U.S.C. § 133).	ly. ommunication.			
Status						
1) Responsive to communication(s) filed on 14 De	ecember 2004.					
2a) This action is FINAL . 2b) ⊠ This	action is non-final.					
, —	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) ☐ Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers		·				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the examine Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to drawing(s) be held in abeya ion is required if the drawin	ince. See 37 CFR 1.85(a). g(s) is objected to. See 37 C				
Priority under 35 U.S.C. § 119	,					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in a rity documents have bee u (PCT Rule 17.2(a)).	Application No n received in this National	Stage			
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		(s)/Mail Date Informal Patent Application (PT 	O-152)			

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DETAILED ACTION

Response to Amendment

The affidavit under 37 CFR 1.132 filed 14 December 2004 is sufficient to overcome the rejection of claims 1-17 based upon insufficiency of disclosure under 35 U.S.C. 112, first paragraph.

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 9, line 2 states, "any similar messages." Since claim 9 and claim 8 (from which claim 9 depends) disclose several different messages (first messages, second messages, third messages, etc.), it is unclear which similar messages applicant is referring to in line 2 of claim 9.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 6, 15, and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Williams (U.S. Patent 6,226,289 B1).

Regarding claims 1 and 2, Williams discloses, "a method of establishing a correlation between the contents of signalling messages conforming to different protocols but relating to a common bearer data item, comprising the steps of: monitoring messages traversing at least first and second signalling channels which conform to respective first and second signalling protocols (col. 22, lines 39-col. 23, lines 1-15 where a plurality of signalling type messages are transmitted over signalling channels during setup and release of a call); selecting first messages including an identification related to an end user of said bearer data item and a first identification of a bearer channel carrying said bearer data item (col. 22, lines 49-57 where the IAM inherently contains the identification of the channel carrying the data item so as to continue and complete setup of the call); selecting second messages including a second identification of a bearer channel carrying said bearer data item and a call identifier (col. 23, lines 7-10 where the second messages consist of the ACM and ANM messages); selecting third messages including, an identification related to an end user of said data item and a call identifier (col. 22, lines 22-col. 23, lines 1-7 where the IAM message mapped to the

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call setup message acts as the third messages); selecting fourth messages including packet network address information and a transaction identifier (col. 23, lines 2-7 where the messages sent to the data network are fourth messages consisting of an IP address and transaction identifier such as an identifier relating the current call setup to that data message); and using said selected third and fourth messages to establish a correlation between the first and second bearer channel identifications (col. 23, lines 1-15 whereby completing the call setup and conversation commencing all messages have been correlated, i.e. they are all linked to each other by various identifiers within the messages themselves)."

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Regarding claims 4 and 15, Williams discloses, "wherein the first messages include SS7 ISUP Initial Address Messages, the end user identification comprises calling and called party addresses (col. 22, lines 49-50 and since the call is further completed as described in col. 23, lines 7-15 the calling party address must be known), and the first bearer channel identification comprises an OPC-DPC-CIC combination (col. 18, lines 10-16)."

Regarding claims 6 and 17, Williams discloses, "wherein the third messages include ISUP Initial Address Messages and the end user identification comprises calling and called party addresses (col. 22, lines 22-col. 23, lines 1-7 since the call was initiated by dialing digits and is completed, the calling and called party addresses must be known)."

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Regarding claim 3, Williams discloses, "the method of claim 2, wherein the fourth messages comprise responses to said second messages (col. 22, lines 66-col. 23, lines 7 where the data message is sent in response to the second messages)."

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 7, 12, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Williams et al.

Regarding claim 7, Williams discloses the method of claim 2. However, Williams does not explicitly teach "wherein the fourth messages include MGCP Response messages, the packet network address information comprises an SDP connection descriptor parameter, and the transaction identifiers comprise transaction ID parameters." Although Williams does explicitly describe the fourth messages as MGCP response messages, it would have been obvious to one of ordinary skill in the art at the time of invention to use these types of messages as a matter of design choice. If the overall network relies on a Media Gateway Control Protocol, then it would have been obvious that MGCP type messages would be used instead of those mentioned in

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Williams. The motivation for using response messages, such as the MGCP type of those found in Williams, is a matter of completing the setup of the call.

Regarding claims 12 and 13, Williams discloses, "An apparatus for establishing a correlation between the contents of signalling messages conforming to different protocols but relating to a common bearer data item (figure 5A, element 208 for instance), comprising; monitoring equipment for monitoring messages traversing at least first and second signalling channels which conform to respective first and second signalling protocols (col. 22, lines 39-col. 23, lines 1-15 where a plurality of signalling type messages are transmitted over signalling channels during setup and release of a call)... selecting first messages including an identification related to an end user of said bearer data item and a first identification of a bearer channel carrying said bearer data item (col. 22, lines 49-57 where the IAM inherently contains the identification of the channel carrying the data item so as to continue and complete setup of the call)... selecting second messages including a second identification of a bearer channel carrying said bearer data item and a transaction identifier (col. 23, lines 7-10 where the second messages consist of the ACM and ANM messages)... selecting third messages including an identification related to an end user of said data item and packet network address information (col. 22, lines 22-col. 23, lines 1-7 where the IAM message mapped to the call setup message acts as the third messages)... selecting fourth messages including packet network address information and a transaction identifier (col. 23, lines 2-7 where the messages sent to the data network are fourth messages consisting of an

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IP address and transaction identifier such as an identifier relating the current call setup to that data message); and... establishing a correlation between the first and second bearer channel identifications in accordance with said selected third and fourth messages (col. 23, lines 1-15 whereby completing the call setup and conversation commencing all messages have been correlated, i.e. they are all linked to each other by various identifiers within the messages themselves)."

However, Williams does not explicitly disclose "a first selector" for selecting first messages, "a second selector" for selecting second messages, "a third selector" for selecting third messages, "a fourth selector" for selecting fourth messages, and "a correlator." Although Williams does not explicitly disclose a selector for each message type and a correlator it would have been obvious to have these components inside the element 208 of figure 5A so as to actually implement the described procedure of call setup in Williams.

It would have been obvious to one with ordinary skill in the art at the time of invention to include the selectors and correlator for the purpose of completing call setup. The motivation for completing a call setup is so that two end users can begin communication.

Claims 5 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over
Williams et al. in view of Nodoushani et al. (U.S. Patent 6,563,816 B1).

Regarding claims 5 and 16, Williams discloses the methods of claims 1 and 2. However, Williams lacks what Nodoushani discloses, "wherein the second messages

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include MGCP Create Connection Messages and the second bearer channel identification comprises endpoint identifier parameters (col. 37, lines 58-63)." It would have been obvious to one with ordinary skill in the art at the time of invention to include the create connection messages so as to complete call setup. The motivation for completing a call setup is so that two end users can begin communication.

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Claims 8, 9, 10, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Williams et al. in view of Brinkman et al. (U.S. Patent 5,712,908).

Regarding claims 14 and 8, Williams discloses, "apparatus for establishing a correlation between the contents of signalling messages conforming to different protocols but relating to a common bearer data item (figure 5A, element 208 for instance), comprising: a monitor for monitoring messages traversing at least first and second signalling channels which conform to respective first and second signalling protocols (col. 22, lines 39-col. 23, lines 1-15 where a plurality of signalling type messages are transmitted over signalling channels during setup and release of a call where the monitor is implicit); a first selector for selecting from the monitored messages first call initiation messages including a first identification of a bearer channel carrying said bearer data item (col. 22, lines 49-57 where the IAM inherently contains the identification of the channel carrying the data item so as to continue and complete setup of the call; where the selector is implicit); a second selector for selecting from the monitored messages second call initiation messages including a second identification of Art Unit: 2661

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a bearer channel carrying said bearer data item (col. 23, lines 7-10 where the second messages consist of the ACM and ANM messages; where the selector is implicit); and a correlator for establishing a correlation between first and second messages for which the elapsed time is below a predetermined threshold, and thus between the first and second bearer channel identifications (col. 23, lines 1-15 whereby completing the call setup and conversation commencing all messages have been correlated, i.e. they are all linked to each other by various identifiers within the messages themselves; where the correlator is implicit)."

However, Williams lacks what Brinkman discloses, "a monitor for determining elapsed time between occurrence of said first and second messages (col. 3, lines 58-64)."

It would have been obvious to one with ordinary skill in the art at the time of invention to include the determining of elapsed time for the purpose of correctly identifying the call. The motivation for identifying the call and its associated elapsed time between messages helps to bill the appropriate entity for the call.

Regarding claim 9, Williams and Brinkman disclose the method of claim 8.

However, Williams lacks what Brinkman further discloses, "wherein establishment of a correlation between first and second messages is also dependent upon absence of any similar messages within a predetermined time interval (col. 3, lines 58-64 where it since the messages used to determine the time interval are unique to each call setup, there will be an absence of similar messages for that call)." It would have been obvious to one

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with ordinary skill in the art at the time of invention to include the absence of similar messages for the same reasons and motivation as in claim 8.

Regarding claim 10, Williams and Brinkman disclose the method of claim 8. However, Brinkman lacks what Williams further discloses, "wherein the first messages include SS7 ISUP Initial Address Messages, the end user identification comprises calling and called party addresses (col. 22, lines 49-50 and since the call is further completed as described in col. 23, lines 7-15 the calling party address must be known), and the first bearer channel identification comprises an OPC-DPC-CIC combination (col. 18, lines 10-16)." It would have been obvious to one of ordinary skill in the art at the time of invention to include the IAM messages and identification addresses for the same reasons and motivation as in claim 8.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Williams et al. and Brinkman et al. as applied to claim 8 above, and further in view of Nodoushani et al.

Regarding claim 11, Williams and Brinkman disclose the method of claim 8. However, Williams and Brinkman lack what Nodoushani discloses, "wherein the second messages include MGCP Create Connection Messages and the second bearer channel identification comprises endpoint identifier parameters (col. 37, lines 58-63)." It would have been obvious to one with ordinary skill in the art at the time of invention to include

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the create connection messages so as to complete call setup. The motivation for completing a call setup is so that two end users can begin communication.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua Kading whose telephone number is (571) 272-3070. The examiner can normally be reached on M-F: 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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> Joshua Kading Examiner

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January 24, 2005

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